

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-312218

(43)Date of publication of application : 27.12.1990

(51)Int.Cl.

H01G 9/02

(21)Application number : 01-134074

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(22)Date of filing : 26.05.1989

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(54) ELECTROLYTE FOR DRIVING OF ELECTROLYTIC CAPACITOR

(57)Abstract:

PURPOSE: To protect an aluminum electrode, and to contrive prevention of a remarkable reduction in electrostatic capacitance and a marked increase of loss by a method wherein a specific quantity of specific block copolymer is added.

CONSTITUTION: One or more kinds selected from high grade dibasic acid, having an alkyl radical in side chain, of 12 to 22C or its salt, or boracic acid or its salt, is decomposed into a solution mainly composed of ethylene glycol; a block copolymer of 0.1wt.% or more, containing the block copolymer having the polyoxide ethylene ratio of 10 to 80wt.% as shown by the formula I separately mentioned, is added to the electrolyte in which polyoxide polypropylene of 1000 to 4000 in average molecular weight and polyoxide ethylene. In the above-mentioned formula I, (m) indicates the integral number which is decided by the value of the average molecular weight of polypropylene, and (n) indicates the integral number decided by the value of polyoxide ethylene ratio, and the polyoxide ethylene ratio indicates the content of polyoxide ethylene in the block copolymer. As a result, a high tension aluminum electrolytic capacitor, which is stable at a high temperature, can be obtained.